

MONTHLY PROGRESS REPORT FOR CONTRACT NO. 500-00-036

PROJECT 3.2 – BUILDING INTEGRATED PV TESTING AND EVALUATION

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

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What we planned to accomplish this period:

- The TAC planned to review a series of nearly 15 potential arrays to use for the third, 20 kW system and provide comments on their preferences. It is also planned that Selection of 10 of the 15 arrays are to be made.
- The project team planned to work together to finalize arrangements for the site of the three, 20 kW systems and develop a strategy to procure and receive the hardware for the project.
- Procurement is expected to begin for the three, 20 kW systems. A request for quotations was to be drafted and sent to at least three companies to obtain bids for installation services.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- Most of the equipment was ordered and preliminary drawings finalized for the data acquisition system (DAS) to be used for the large system comparison.
- The TAC provided input on their preferences for the ten smaller systems to be selected for the third of the three 20 kW PV systems to be evaluated.
- Requests for quotations were sent to five companies to receive pricing on the various equipment for all three 20 kW PV systems. Early responses indicate very positive pricing for the equipment ensuring that the systems will be delivered at or below budget estimates.
- The site for the large systems was selected in the previous reporting period. It is the new administration building for Inland Empire Utility Agency (IEUA). Official confirmation of the use of the site has been verbally confirmed, but a written approval will need to take place over the next month.

Task 3.2.2b Small Systems Testing

- Much of the equipment was ordered and preliminary drawings finalized for the data acquisition system (DAS) to be used for the small system comparison.

How we are doing compared to our plan:

- The Commonwealth Team's Project 3.2 task activity has progressed according to our work plan through this reporting period.
- The schedules for several of the tasks under 3.2.2. are running behind schedule due to difficulties over siting the large systems. That issue has been resolved and it appears that the schedule will be set back about eight weeks overall.

Significant problems or changes:

No significant problems or changes were encountered during this reporting period. Delays existed in the siting of the large systems. These delays are common and were foreseen before the program began. Official approvals at IEUA require board-level approval, so a presentation will be made to the board in January of 2003 to secure those official approvals. Current progress and expenditures will result in project being completed on time and within budget. Individual tasks delays will not significantly impact the overall project schedule.

What we expect to accomplish during the next period:

- Conditional approval will be provided by IEUA to Commonwealth to use the new headquarters facility for the 60 kW PV system. IEUA will agree to a payment option for the system so that procurement and delivery of equipment can commence.
- Pricing for all the equipment will be obtained and procurement of all equipment for the large system comparison will be set in motion for delivery in early-to-mid February.
- Arrangements will be developed to coordinate with IEUA on all aspects of preparation and installation of the large PV system. This is particularly important since the building that will host these systems is currently under construction.

Commonwealth Energy PIER Renewables Affordability Mini-Grid Program Status Report

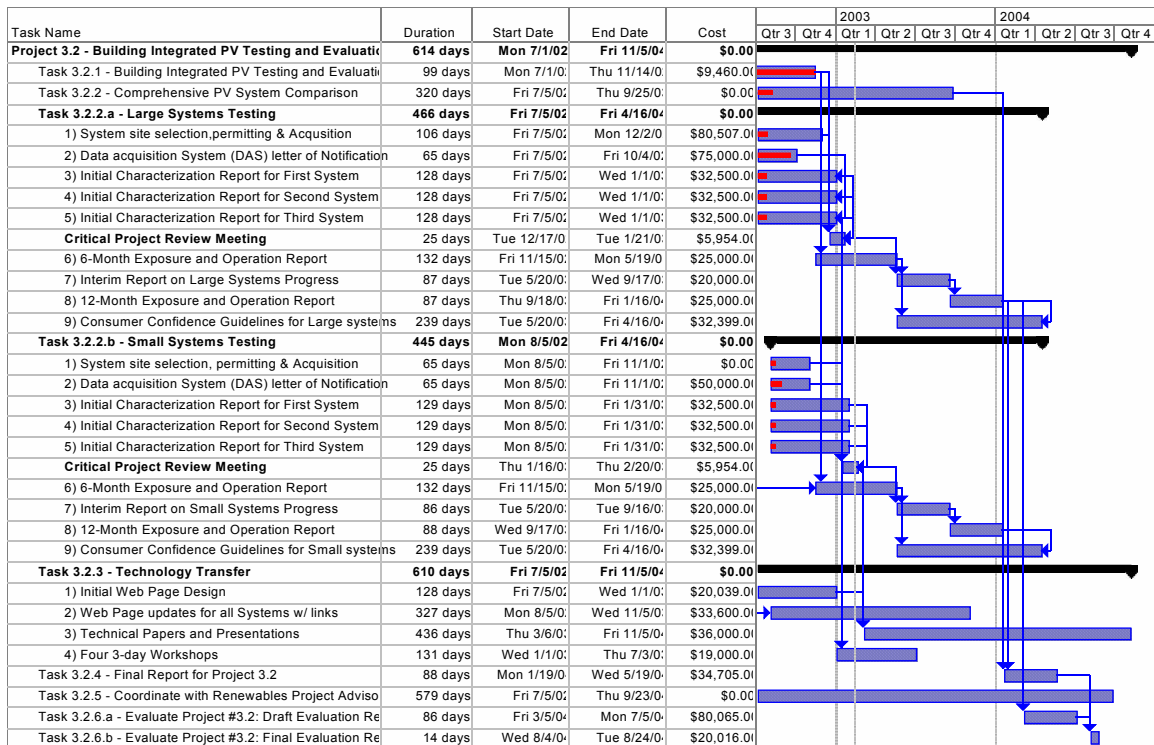
Status of Milestones and Deliverables:

Table 1 below summarizes the status of Project 3.2 task deliverables as of the end of the current reporting period.

Table 1: Summary of Project Status and Deliverables - Project 3.2

Task No.	Description	Task Start Date		Task Due Date		Status (%)
		Plan	Actual	Plan	Actual	
3.2.1	BI-PV Evaluation Test Plan	6/20/02	07/01/02	7/20/02	11/14/02	100%
3.2.2a (2)	LS: DAS Letter	07/05/02	07/05/02	02/14/02		80%
3.2.2a (3)	LS: 1 st System Report	07/05/02	07/05/02	3/31/03		10%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	3/31/03		10%
3.2.2a (5)	LS: 3 rd System Report	07/05/02	07/05/02	3/31/03		10%
3.2.2b (5)	SS: DAS Letter	08/04/02	08/04/02	3/14/03		25%
3.2.2b (2)	SS: 1 st System Report	08/04/02	08/04/02	4/30/03		5%
3.2.2b (3)	SS: 2 nd System Report	08/04/02	08/04/02	4/30/03		5%
3.2.2b (4)	SS: 3 rd System Report	08/04/02	08/04/02	4/30/03		5%

Overall Schedule for Project 3.2:



Overview of Fiscal status:

Table 2 below summarizes the fiscal status of Project 3.2 by task as of the end of the current reporting period.

Table 2: Fiscal Status By Task – Project 3.2

Task Number	Budget	Invoiced To-Date	Fiscal Status *
3.2.1	\$9,460	\$9,460	OT
3.2.2a (2)	\$75,000	\$0	OT
3.2.2.a (3)	\$32,500	\$0	OT
3.2.2a (4)	\$32,500	\$0	OT
3.2.2a (5)	\$32,500	\$0	OT
3.2.2b (2)	\$50,000	\$0	OT
3.2.2b (3)	\$32,500	\$0	OT
3.2.2b (4)	\$32,500	\$0	OT
3.2.2b (5)	\$32,500	\$0	OT
3.2.3	\$108,639	\$0	OT
3.2.4	\$34,705	\$0	OT

*Fiscal Status – Please indicate if you are “On Track” (OT), OverBudget (OB), or UnderBudget (UB)